CENTRAL VALLEY PROJECT
SCHEDULE OF ESTIMATED M&I OPERATION & MAINTENANCE COSTS
BY FACILITY AND/OR COMPONENT
2012 M&I WATER RATES

A		B	C	D
Facility/Contractor		**Estimated O&M & Corps Costs**	**Estimated Project Use Energy Expense**	**Total Estimated Costs**
	Ref			(B+C)
Storage				
American River				
Black Butte Reservoir	1/	$ 75,760	$ -	$ 75,760
Clear Creek Tunnel		$ -	$ -	$ -
Columbia-Mowry System		$ 20,003	$ 1,518	$ 21,521
Delta Cross Channel		$ 11,201	$ -	$ 11,201
F&WL Mitigation (Reimbursable)				
Coleman National Fish Hatchery		$ 519,086	$ -	$ 519,086
Wetlands Improvement		$ -	$ -	$ -
Folsom D&R		$ 73,095	$ -	$ 73,095
Folsom Pipeline		$ -	$ -	$ -
Folsom PP		$ 69,047	$ 41,644	$ 110,691
Friant D&R		$ 198,288	$ 10,131	$ 208,419
Gianelli, WR PGP	4/	$ -	$ 67,618	$ 67,618
Less: GWRPG Direct Pumping				
Regeneration Credit (A-10)	4/	$ -	$ (48,130)	$ (48,130)
Hill, CA Whiskeytown Dam		$ 44,431	$ -	$ 44,431
New Melones D&R		$ -	$ -	$ -
Nimbus D&R		$ 16,590	$ -	$ 16,590
San Joaquin River		$ 18,850	$ -	$ 18,850
Sacramento River		$ 7,191	$ -	$ 7,191
Security Costs		$ 283,580	$ -	$ 283,580
Other Routine O&M Costs, San Luis Dam		$ 1,296,394	$ -	$ 1,296,394
Shasta D&R		$ 168,734	$ 51,125	$ 219,859
Trinity D&R & Clair Engle Lake		$ 13,496	$ -	$ 13,496
Total Storage (Water Ratesetting)	4/	$ 2,815,746	$ 123,906	$ 2,939,652

CENTRAL VALLEY PROJECT
SCHEDULE OF ESTIMATED M&I OPERATION & MAINTENANCE COSTS
BY FACILITY AND/OR COMPONENT
2012 M&I WATER RATES

A	B	C	D
Facility/Contractor	**Estimated O&M & Corps Costs**	**Estimated Project Use Energy Expense**	**Total Estimated Costs**
Ref			(B+C)
Conveyance			
Delta-Mendota Canal	$ -	$ -	$ -
Friant-Kern Canal	$ 4,233	$ -	$ 4,233
Red Bluff Diversion D	$ 1,177	$ -	$ 1,177
Red Bluff PP	$ -	$ -	$ -
San Luis Canal	$ 209	$ -	$ 209
South Delta Hydrodynamics Fish Inv	$ 78	$ -	$ 78
Tehama-Colusa Canal	$ 825	$ -	$ 825
Tehama-Colusa Fish Facilities	$ 63	$ -	$ 63
Conveyance (Direct Billed)	$ 6,585	$ -	$ 6,585
Folsom-South Canal (Water Ratesetting)	$ 448,000	$ -	$ 448,000
Total Conveyance	$ 454,585	$ -	$ 454,585
Conveyance Pumping			
Dos Amigos PP	$ -	$ 42,007	$ 42,007
O'Neill PGP	$ -	$ 202,403	$ 202,403
Jones PP	$ 135,907	$ 1,201,752	$ 1,337,659
Total Conv. Pumping (Direct Billed)	$ 135,907	$ 1,446,162	$ 1,582,069

CENTRAL VALLEY PROJECT
SCHEDULE OF ESTIMATED M&I OPERATION & MAINTENANCE COSTS
BY FACILITY AND/OR COMPONENT
2012 M&I WATER RATES

A		B	C	D
Facility/Contractor	Ref	Estimated O&M & Corps Costs	Estimated Project Use Energy Expense	Total Estimated Costs (B+C)
Direct Pumping				
Colusa County WD		$ -	$ 716	$ 716
Contra Costa PP (Contra Costa WD)		$ 78,000	$ 462,760	$ 540,760
Kanawha WD		$ -	$ 5	$ 5
Pleasant Valley PP (City of Coalinga)		$ -	$ 53,825	$ 53,825
San Benito County WD				
Gianelli, WR PGP	2/	$ -	$ 24,492	$ 24,492
Pacheco PP	2/	$ -	$ 16,490	$ 16,490
San Luis WD Relifts		$ -	$ 7,292	$ 7,292
Santa Clara Valley WD				
Coyote PP	2/	$ -	$ 89,496	$ 89,496
Gianelli, WR PGP	2/	$ -	$ 711,282	$ 711,282
Pacheco PP	2/	$ -	$ 478,884	$ 478,884
Shasta PP (City of Shasta Lake)		$ -	$ 49,479	$ 49,479
State-Delta PP (Cross Valley Canal)		$ -	$ 6,203	$ 6,203
Westlands WD Relifts		$ -	$ 10,385	$ 10,385
Wintu PP (Bella Vista WD)		$ -	$ 32,920	$ 32,920
Dos Amigos PP (Cross Valley Canal)		$ -	$ 3,178	$ 3,178
Total Direct Pumping		$ 78,000	$ 1,947,409	$ 2,025,409
Sub Total		$ 3,484,238	$ 3,517,477	$ 7,001,715

M&I 2012 Sch A-9 F.Z14.xlsm
12/29/2011

CENTRAL VALLEY PROJECT
SCHEDULE OF ESTIMATED M&I OPERATION & MAINTENANCE COSTS
BY FACILITY AND/OR COMPONENT
2012 M&I WATER RATES

A	B		C		D	
Facility/Contractor	**Estimated O&M & Corps Costs**		**Estimated Project Use Energy Expense**		**Total Estimated Costs**	
Ref					(B+C)	
Extraordinary O&M						
Storage						
Delta Cross Channel	$	40,286	$	-	$	40,286
Folsom Pumping Plant	$	-	$	2,499	$	2,499
Spring Creek Power Plant	$	-	$	1,195	$	1,195
Total Ex O&M Storage:	$	40,286	$	3,695	$	43,981
Conveyance Pumping						
Dos Amigos Pumping Plant	$	-	$	1,253	$	1,253
O'Neill Pump-Gen Plt	$	-	$	6,036	$	6,036
Jones Pumping Plant	$	107,975	$	35,836	$	143,811
Total Ex O&M Conveyance Pumping:	$	107,975	$	43,124	$	151,099
Direct Pumping						
Gianelli PGP - SFU	$	-	$	21,941	$	21,941
Contra Costa PP	$	-	$	13,799	$	13,799
Colusa CWD (Incl. Arb./Will O&M Office)	$	-	$	21	$	21
Kanawha WD	$	-	$	0	$	0
Panoche WD - SLC	$	-	$	-	$	-
Westside WD	$	-	$	-	$	-
Pleasant Valley PP (City of Coalinga)	$	-	$	1,605	$	1,605
Pleasant Valley Relifts	$	-	$	-	$	-
San Luis WD Relifts	$	-	$	217	$	217
State-Delta PP - Cross Valley Canal	$	-	$	185	$	185
Westlands WD Relifts	$	-	$	310	$	310
Wintu PP	$	-	$	982	$	982
City of Shasta Lake (Shasta PP)	$	-	$	1,475	$	1,475
Dos Amigos PP - Cross Valley Canal	$	-	$	95	$	95
Pacheco PP	$	-	$	14,772	$	14,772
Coyote PP	$	-	$	2,669	$	2,669
Total Ex O&M Direct Pumping:	$	-	$	58,071	$	58,071
Total Extraordinary O&M:	$	148,261	$	104,890	$	253,151

CENTRAL VALLEY PROJECT
SCHEDULE OF ESTIMATED M&I OPERATION & MAINTENANCE COSTS
BY FACILITY AND/OR COMPONENT
2012 M&I WATER RATES

A	B	C	D
Facility/Contractor	**Estimated O&M & Corps Costs**	**Estimated Project Use Energy Expense**	**Total Estimated Costs**
Ref			(B+C)
ARRA Funded O&M (RAX)			
Storage			
Shasta Dam	$ 4,766	$ -	$ 4,766
Folsom Dam	$ 17,916	$ -	$ 17,916
New Melones Powerplant	$ -	$ 345	$ 345
Total ARRA Storage:	$ 22,681.90	$ 345	$ 23,027
Conveyance Pumping			
Dos Amigos Pumping Plant		$ 177	$ 177
O'Neill Pump-Gen Plt	$ 5,414	$ 543	$ 5,957
Jones Pumping Plant	$ -	$ 2,341	$ 2,341
Total ARRA O&M Conveyance Pumping:	$ 5,414	$ 3,062	$ 8,475
Direct Pumping			
Gianelli PGP - SFU	$ -	$ 2,401	$ 2,401
Contra Costa PP	$ -	$ 1,840	$ 1,840
Colusa CWD (Incl. Arb./Will O&M Office)	$ -	$ 1	$ 1
Kanawha WD	$ -	$ 0	$ 0
Pleasant Valley PP (City of Coalinga)	$ -	$ 6	$ 6
San Luis WD Relifts	$ -	$ 18	$ 18
State-Delta PP - Cross Valley Canal	$ -	$ 9	$ 9
Westlands WD Relifts	$ -	$ 25	$ 25
Wintu PP	$ -	$ 147	$ 147
City of Shasta Lake (Shasta PP)	$ -	$ 117	$ 117
Pacheco PP	$ -	$ 1,592	$ 1,592
Coyote PP	$ -	$ 436	$ 436
Total ARRA O&M Direct Pumping:	$ -	$ 6,594	$ 6,594
Total ARRA O&M:	$ 28,096	$ 10,001	$ 38,097

CENTRAL VALLEY PROJECT
SCHEDULE OF ESTIMATED M&I OPERATION & MAINTENANCE COSTS
BY FACILITY AND/OR COMPONENT
2012 M&I WATER RATES

A		B	C	D
Facility/Contractor		Estimated O&M & Corps Costs	Estimated Project Use Energy Expense	Total Estimated Costs
	Ref			(B+C)
Water Marketing Expense				
Suisun Marsh Protection		$ 101,455	$ -	$ 101,455
Water Contract Administration		$ 1,093,281	$ -	$ 1,093,281
Water & Power Systems Control		$ 453,653	$ -	$ 453,653
Other Expenses		$ 381,468	$ -	$ 381,468
General Expense		$ 84,569	$ -	$ 84,569
Non-Permanent Contractor Revenue	3/	$ (806,000)	$ -	$ (806,000)
Total Water Marketing		$ 1,308,426	$ -	$ 1,308,426
Less: Direct Billed		$ (142,492)	$ (1,446,162)	$ (1,588,654)
Grand Total		$ 4,826,529	$ 2,186,206	$ 7,012,735

CENTRAL VALLEY PROJECT
SCHEDULE OF ESTIMATED M&I OPERATION & MAINTENANCE COSTS
BY FACILITY AND/OR COMPONENT
2012 M&I WATER RATES

FOOTNOTES

1/ Estimated based on the most recent 5-year average of actual O&M costs (Corps of Engineers).

2/ Suballocation of San Felipe Unit Direct Pumping Costs:

	Projected FY 2012 Deliveries	Ratios	Direct Pumping Allocation (Sch A-10) William R. Gianelli Pump-Generator Plant PUE	Pacheco PP	Coyote PP	Grand Total
	<Sch A-12>					
San Benito County WD	3,509	0.033288	$ 24,492	$ 16,490		$ 40,982
Santa Clara Valley WD	101,906	0.966712	$ 711,282	$ 478,884	$ 89,496	$ 1,279,663
	105,415	**1.000000**	**$ 735,775**	**$ 495,374**	**$ 89,496**	**$ 1,320,646**
Total San Felipe	105,415	0.261911				
All Other Contractors	297,068	0.738089				
Total Storage	**402,483**	**1.000000**				

3/ Non-permanent revenue was calculated using a 5-yr average of the most recent actual non-permanent revenue (from O&M Expense Schedule - Schedule B-6) rounded to the nearest thousand.

4/ Storage Costs are broken down between San Felipe Unit Contractors and all others as follows:

	San Felipe Unit Storage	All Other Storage Contractors	Total
Projected 2012 Storage Deliveries	**105,415**	**297,068**	**402,483**
Ratios	**0.261911**	**0.738089**	**1.000000**
Allocated Gianelli, WR Pump Generator Costs			
Project Use Costs	*	$ 67,618	$ 67,618
Regeneration Credit		$ (48,130)	$ (48,130)
Allocated Storage O&M Costs	$ 764,823	$ 2,155,341	$ 2,920,164
Extraordinary O&M	$ 11,519	$ 32,462	$ 43,981
ARRA	$ 6,031	$ 16,996	$ 23,027
Total	**$ 782,373**	**$ 2,224,287**	**$ 3,006,660**
Cost per Acre-foot (to Schedule A-8)	**$7.42**	**$7.49**	

*San Felipe Unit contractors' share of the William R. Gianelli PG PUE has been included in the direct pumping section(see Schedule A-11, page 2)